

IAV 2006

331235449  
JUL 07 2006

Translation of the pertinent portions of a Notification of the Forwarding of the International Preliminary Report Regarding Patentability, mailed 02/15/2006

1. This report is the international preliminary examination report prepared by the Office charged with the international preliminary examination in accordance with Article 35 and forwarded to Applicant in accordance with Article 36.

2. This REPORT contains a total of 5 pages, including the cover sheet.

3. Furthermore, ATTACHMENTS are enclosed with the report, these include

a. (transmitted to Applicant and the International Bureau) a total of one page, which is

a page with the specification, claims and/or drawings, which have been amended and are the basis of this report.

4. This report contains information regarding the following items:

Field No. 1 Basis of the Report

Field No. V Reasoned Determination in Accordance with Article 35(2)

Field I Basis of the Notification

1. Regarding the **LANGUAGE**, the report is based on the international application in the language in which it was filed, provided nothing different is indicated under this item.

2. Regarding the **COMPONENTS** of the international application, this report is based on

Specification, pages

1 to 14 in the originally filed version

Claims Nos.

3 to 21 in the originally filed version

1, 2 received 05/06/05 with letter of 04/28/05

Drawings, sheets

1/4 - 4/4 in the originally filed version.

Field No. V Reasoned Determination under Article 35(2)

1. Determination

Novelty	Yes: Claims 1 to 21
	No: Claims

Inventive Activities	Yes: Claims 1 to 21
	No: Claims

Commercial Applicability	Yes: Claims 1 to 21
	No: Claims

2. References and Explanations

**see the attached sheet**

Attached sheet

Re.: Item V

Reference is made to the following documents:

D1: DE 20 39 844 B1

**1. INDEPENDENT CLAIM 1**

1.1 D1 discloses (the references in parentheses relate to this document) a printing press with at least one forme cylinder (implicit) for imprinting a web (1) of material, and having at least one longitudinal cutting device (3) for cutting the web (1) of material into partial webs (1', 1''), wherein the forme cylinder is equipped with printing plates for n pages in width (implicit), wherein the longitudinal cutting device can be placed between a k-th and a k+1-th page, wherein k is one or two thirds of n (Fig. 1), and wherein at least one of the partial webs (1', 1'') is conducted through a former (2).

1.2 The difference between claim 1 and D1 lies in that n pages in width and n+1 pages in width are larger than a width of the forme cylinder, and that the entry direction of the former in the area of the longitudinal cutting device extends transversely in regard to the web running direction, wherein the former has an effective width which is greater than or equal to two thirds, but less than the entire useful width of the forme cylinder.

Present claim 1 is therefore novel (Article 33(2) PCT).

1.3 The problem to be solved here consists of utilizing the web width more effectively.

1.4 This is accomplished by a definite embodiment of the forme cylinder together with a definite width of the former. Here, in the optimal case the entire width of the forme cylinder is used for printing a number of side-by-side pages which is divisible by three. The prior art does not provide one skilled in the art with a suggestion for using such a connection between different elements for solving the above mentioned problem.

It is therefore possible to [acknowledge] inventive activities within the meaning of Article 33(3) PCT for claim 1.

**2. INDEPENDENT CLAIM 2**

2.1 D1 discloses (the references in parentheses relate to this document) a printing press with at least one forme cylinder (implicit) for imprinting a web (1) of material, and having at least one longitudinal cutting device (3) for cutting the web (1)

of material into partial webs (1', 1"), wherein the forme cylinder is equipped with printing plates for n pages in width (implicit), wherein the longitudinal cutting device can be placed between a k-th and a k+1-th page, wherein k is one or two thirds of n (Fig. 1), and wherein at least one partial web of one-third width is conducted centered onto a former (2).

2.2 The difference between claim 1 [sic] and D1 lies in that n pages in width and n+1 pages in width are larger than a width of the forme cylinder, and that the entry direction of the former in the area of the longitudinal cutting device extends transversely in regard to the web running direction, wherein the former has an effective width which is greater than or equal to two thirds, but less than the entire useful width of the forme cylinder.

Present claim 2 is therefore novel (Article 33(2) PCT).

2.3 The problem to be solved here consists of utilizing the web width more effectively.

2.4 This is accomplished by a definite embodiment of the forme cylinder together with a definite width of the former. Here, in the optimal case the entire width of the forme cylinder is used for printing a number of side-by-side pages which is divisible by three. The prior art does not provide one skilled in the art with a suggestion for using such a connection between different elements for solving the above mentioned problem.

It is therefore possible to [acknowledge] inventive activities within the meaning of Article 33(3) PCT for claim 2.

Claims 3 to 21 depend from one of claims 1 or 2 and therefore also meet the requirements of PCT in respect to novelty and inventive activities.

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## Claims

1. A printing press with at least one forme cylinder (02) for imprinting a web (01, 19) of material, and having at least one longitudinal cutting device (07, 17, 21) for cutting the web (01, 19) of material into partial webs (14, 16, 22, 23, 24), wherein the forme cylinder (02) is equipped with printing plates for  $n$  pages in width, wherein  $n$  is a natural number divisible by three and wherein  $n$  pages are less in width and  $n+1$  pages are greater in width than a width (b02) of the forme cylinder (02), and the longitudinal cutting device (17, 21) can be placed on a boundary between a  $k$ -th and a  $k+1$ -th page, wherein  $k$  is one or two thirds of  $n$ , and wherein at least one of the partial webs (14, 16, 22, 23, 24) is conducted through a former (06), by means of which a partial web (14, 16, 22, 23, 24) can be longitudinally folded, and whose entry direction in the area of the longitudinal cutting device (17, 21) extends transversely in respect to the web running direction, and the former (06) has an effective width (b06) which is greater than or equal to two thirds, but less than the entire usable width (b02) of the forme cylinder (02).

2. A printing press with at least one forme cylinder (02) for imprinting a web (01, 19) of material, and having at least one longitudinal cutting device (07, 17, 21) for cutting the web (01, 19) of material into partial webs (14, 16, 22, 23, 24), wherein the forme cylinder (02) is equipped with printing plates for  $n$  pages in width, wherein  $n$  is a natural number divisible by three and wherein  $n$  pages are less in width and  $n+1$  pages are greater in width than a width (b02) of the forme cylinder (02), and the

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longitudinal cutting device (17, 21) can be placed on a boundary between a k-th and a k+1-th page, wherein k is one or two thirds of n, and wherein at least one partial web (16) of one-third width is conducted centered onto a former (06), by means of which a partial web (14, 16, 22, 23, 24) can be longitudinally folded, and whose entry direction in the area of the longitudinal cutting device (17, 21) extends transversely in respect to the web running direction, and which has at least an effective width ( $b_{06}$ ) for longitudinally folding a half of a maximum width ( $b_{max}$ ) of a web

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